

Product Information Packet

January 13, 2017

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number:	5KS326DAJ7005A
Catalog Number:	V4604
Instruction Manual:	GEK-95353
Connection Diagram:	GEM2034E-FIG9
Outline Drawing:	148CB32VMHKBCAA0001

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	3027JE-1C
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KS326DAJ7005A	Estimated Weight:	870 Lbs
Outline Drawing:	148CB32VMHKBCAA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG9	Enclosure:	WPI
Instruction Book:	GEK-95353	Encl Construction:	OPEN
Design Code:	32BD3112A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L326TP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	6	Nominal Efficiency:	93.6 %
Output Power:	30HP 22.2KW	Guaranteed Efficiency:	92.4
RPM:	1180	3/4 Load Efficiency:	94.1
Voltage:	230/460	KVA Code:	G
Hertz:	60	Max KVAR:	10.8
Amps - FL:	74.6/37.3	Power Factor:	80.5
Service Factor:	1.15	Bearing - DE:	6212C3
Alt Service Factor:	--	Bearing - ODE:	235A2523AD01

Enclosure is Weather Protected One

Stamped Nameplate Notes:

HTR LDS HE1-HE2 115V 100W
 ROT CCW FACING ODE LEAD/PH SEQ 1-2-3/1-2-3
 INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
 VAR TORQUE RANGE 8-60 HZ
 SUITABLE FOR 25 HP, 190/380V 50HZ WITH
 88/44 AMPS AND 975 RPM AT 1.0 SF

Additional Information:

6P - VERT HOLLOW SHAFT HIGH THRUST (1D)
 SPECIAL BALANCE
 346 CU IN - 3.00" NPT
 BEARING LIFE 8760 HRS AT 6700 LB THRUST
 OIL RESISTANT SLEEVING ON LEADS
 115V HTR LDS TO MAIN CONDUIT BOX
 COUPLING NOT INCLUDED IN BOM, WILL BE
 ORDERED SEPERATELY
 CG: 13.82 IN FROM P-BASE FACE
 RCF: 4110 CPM AT C/BOX SIDE, 4320 CPM AT
 90 DEG FROM C/ BOX SIDE

Performance Characteristics

1st Winding 1st Connection

Design: 32BD3112A

Marks:

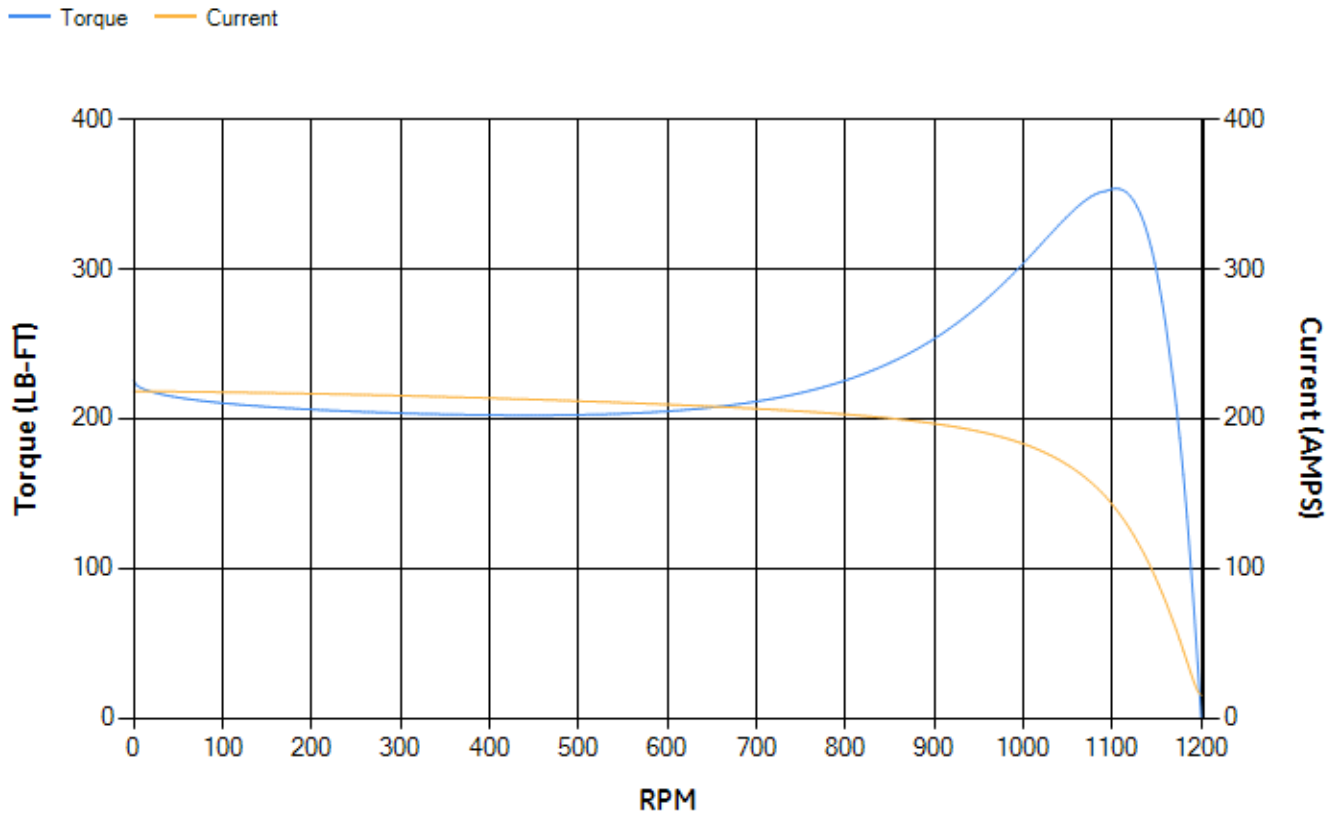
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.78	93.15	93.82	94.07	93.81	91.06	0.00
% PF	82.41	81.94	80.65	76.14	66.06	44.04	3.84
AMPS	45.91	42.31	37.09	29.4	22.66	17.51	15.05

TORQ(FL)#FT	133.35	TORQ(LR)%FL	169.2	TORQ(BD)%FL	262.96
AMPS(LR)	218.33	PF AT START	0.34		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 3021 Lb-Ft Sq (127.18 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 62 seconds. Safe stall time at 100% voltage is 106 seconds cold, 83 seconds hot. Rotor inertia is 11.09 Lb-Ft Sq (0.47 Kg-meter Sq).

Open Circuit A-C:	0.4	Short Circuit D-C:	0.019
Short Circuit A-C:	0.022	X/R Ratio:	7.182
Stator Slots:	54	Rotor Slots:	40

Speed Torque Current Curve (First Connection, First Speed)

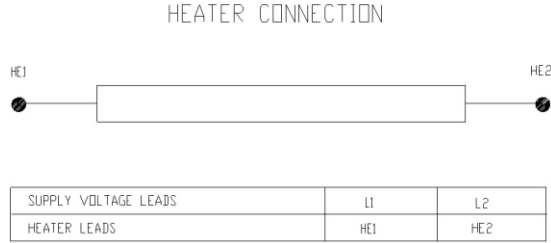


Marks:

Connection Diagram
GEM2034E-FIG9



Heater Connection
3027JE-1C



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E7205AA1	115E7208LA1
Bearing	235A2509BE01	235A2523AD01
Slinger/Inproseal	235A2300FM1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	
Fan Cover	149C4053AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	149C4429AA2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

